```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1      MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG   80
NTDB id 624 LCA RS00040 WP 011373726.1         ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG.D..READFINCVIWRKSAENFANFTKKGSLVGVDG   75
NTDB id 1023646 AB2J53 RS25375 WP 048010214.1  ..MMNRVVLVGRLTKDPDLRYTPNGVPVASFTLAVNRAFTNQQG.E..READFINCVVWRKPAENVANFLKKGSLAGVDG   75
NTDB id 113 BSU 40900 NP 391970.1              ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG   75
NTDB id 112 BSU 36310 NP 391512.2              ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG   75
consensus                                        **!*!**!!*!**!***!****!**!*****!*******  * *  **********!*! !!* *****!!!***!*!

logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1      KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSG.....WNQAPAQTNYNQGGYSDNYAQNNNFNGGNAT  155
NTDB id 624 LCA RS00040 WP 011373726.1         RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQSGF..T......SPQQTGNAPAA.  146
NTDB id 1023646 AB2J53 RS25375 WP 048010214.1  RIQSRSYEGQDGKRVYVTEVQAESVQFLEPKNSSGGQGGGNP.......NYGGPRDQDFPFGNNSNQNQRQDNRNQGNY.  147
NTDB id 113 BSU 40900 NP 391970.1              RLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNPFGGNQNNQR....RNQG...  148
NTDB id 112 BSU 36310 NP 391512.2              RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................  113
consensus                                      ****! ****!*****!!*************  * *   *          *  *  *  *  *    *   *   * *

logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1      RPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1         .NNTQADPFANNGQAIDISDDDLPF   170
NTDB id 1023646 AB2J53 RS25375 WP 048010214.1  .TRVDQDPFANDG.QIDISDDDLPF   170
NTDB id 113 BSU 40900 NP 391970.1              .NSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2              ........................   113
consensus                                            ***** *  **********
```

X non conserved

X similar

X $\geq$ 50% conserved